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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Herr et al.

Confirmation No.: 6148

Application No.: 09/890,709

Group Art Unit: 1653

Filed: January 28, 2002

Examiner: To be assigned

For: METHODS AND COMPOSITIONS  
FOR MODULATING FERTILITY

Attorney Docket No.: 9426-015

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.56 AND § 1.97**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

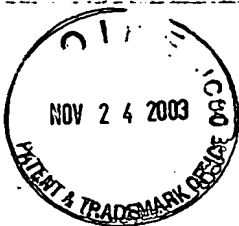
In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby invite the Examiner's attention to the references AA-BC, listed on the attached form PTO 1449 entitled "List of References Cited by Applicant." A copy of each of references AA-BC is submitted herewith.

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Applicants respectfully request that the Examiner consider the foregoing references and that the references be made of record in the file of the above-captioned application.

Pursuant to 37 C.F.R. § 1.97(b)(3), since this Information Disclosure Statement is being submitted prior to the first Office Action on merits, no fee is believed due. However, should the Patent and Trademark Office determine otherwise, please charge any required fee to Pennie & Edmonds Deposit Account No. 16-1150. A duplicate of this sheet is enclosed for accounting purposes.

Date:	November 24, 2003	Respectfully submitted, <i>Geraldine F. Baldwin</i> Geraldine F. Baldwin	<i>by [Signature]</i> REG NO 40,203 31,232 (Reg. No.)
		PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, New York 10036-2711 (212) 790-9090	

Enclosures



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		Geraldine F. Baldwin		31,232
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Enclosures



Express Mail No.: **EV335858469US**

**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

ATTY. DOCKET NO. 9426-015	APPLICATION NO. 09/890,709
APPLICANT Herr et al.	
FILING DATE July 31, 2001	GROUP To be assigned

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

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AB	Baldi et al., 1991, " Intracellular calcium accumulation and responsiveness to progesterone in capacitating human spermatozoa", J Androl. 12(5):323-30.
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AD	Clarke et al. 1986, " Effect of sperm antibodies in females on human in vitro fertilization", Fertil Steril.46(3):435-41.
AE	D'Cruz and Haas, 1991, "Activation of human complement by IgG antisperm antibody and the demonstration of C3 and C5b-9-mediated immune injury to human sperm", J Immunol.146(2):611-20.
AF	Galantino-Homer et al. 1997, "Regulation of protein tyrosine phosphorylation during bovine sperm capacitation by a cyclic adenosine 3'5'-monophosphate-dependent pathway", Biol Reprod. 56(3):707-19.
AG	Gubin et al., 1998, "Multivariant analysis of men from infertile couples with and without antisperm antibodies", Am J Reprod Immunol.39(2):157-60.
AH	Handrow et al., 1989, "Calcium requirement and increased association with bovine sperm during capacitation by heparin", J Exp Zool. 252(2):174-82.
AI	Jarow et al., 1992, "Risk factors for male partner antisperm antibodies", J Urol. 148(6):1805-7.
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AM	Luconi et al., 1996, "Extracellular calcium negatively modulates tyrosine phosphorylation and tyrosine kinase activity during capacitation of human spermatozoa", Biol Reprod. 55(1):207-16.
AN	Mandelbaum et al., 1987, "Relationship of antisperm antibodies to oocyte fertilization in in vitro fertilization-embryo transfer", Fertil Steril. 47(4):644-51.
AO	Menge et al., 1971, "Antiserum inhibition of rabbit spermatozoal adherence to ova", Proc Soc Exp Biol Med. 138(1):98-102.
AP	Nip et al., 1995, "Autoantibodies and antisperm antibodies in sera and follicular fluids of infertile patients; relation to reproductive outcome after in-vitro fertilization", Hum Reprod. 10(10):2564-9.
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AT	Peters et al., 1992, "Sperm antibodies", Am J Reprod Immunol. 27(3-4):156-62.
AU	Primakoff et al., 1988, "Fully effective contraception in male and female guinea pigs immunized with the sperm protein PH-20", Nature. ;335(6190):543-6.
AV	Raspa et al., 1993, "Complications of vasectomy", Am Fam Physician. 48(7):1264-8
AW	Tash et al., 1989, "Protein phosphorylation: the second messenger signal transducer of flagellar motility", Cell Motil Cytoskeleton. 14(3):332-9
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BA	Visconti and Kopf", 1998, "Regulation of protein phosphorylation during sperm capacitation", Biol Reprod. 59(1):1-6
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BC	Yanagimachi et al., 1994, The Physiology of Reproduction, pp. 189-317, Eds. Knobil, E. and Neill, J.D., Raven Press, NY

**EXAMINER**

**DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

